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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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di	97/07668	3/6/97	PCT				
19	07/07669	3/6/97	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
بل	U .	Jose B. Cibelli, et al., Cloned Transgenic Calves Produced from Nonquiescent Fetal Fibroblasts, Science, Vol. 280, May 22, 1998, pp. 1256-1258.
	•	Angelika E. Schnieke, et al., Human Factor IX Transgenic Sheep Produced by Transfer of Nuclei from Transfected Fetal Fibroblasts, Science, Vol. 278, December 19, 1997, pp. 2130-2133.
	0	I. Wilmut, et al., Viable Offspring Derived From Fetal and Adult Mammalian Cells, Nature, Vol., 385, February 27, 1997, pp. 810-813.
	G	Yoko Kato, et al., Eight Calves Cloned From Somatic Cells of a Single Adult, Science, Vol. 282, December 11, 1998, pp. 2095-2098.
	3	X. Vignon, et al., Development Potential of Bovine Embryos Reconstructed With Somatic Nuclei From Cultured Skin and Muscle Fetal Cells, Theriogenology, p. 392
		D.N. Wells, et al., Production of Cloned Bovine Fetuses Following Nuclear Transfer Using Cells From A Fetal Fibroblast Cell Line, Theriogenology, p. 330.
	- , \$	V. Zakhartchenko, et al., Effects of Serum Starvation and Re-cloning on the Efficiency of Nuclear Transfer Using Bovine Fetal Fibroblasts, Journal of Reproduction and Fertility (1999), Vol. 115, pp. 325-331.
	•	Chikara Kubota, et al., Six Cloned Calves Produced From Adult Fibroblast Cells After Long-term Culture, PNAS February 1, 2000, Vol. 97, No. 3, pp. 990-995.
	9	K. Shiga, et al., Production of Calves By Transfer of Nuclei From Cultured Somatic Cells Obtained From Japanese Black Bulls, Theriogenology, 1999, Vol. 52, pp. 527-535.
	•	Alexander Baguisi, et al., Production of Goats By Somatic Cell Nuclear Transfer, Nature Biotechnology, Vol. 17, May 1999, pp. 456-461.
	•	T. Wakayama, et al., Full-term Development of Mice From Enucleated Oocytes Injected With Cumulus . Cell Nuclei, Nature, Vol. 394, July 23, 1998, pp. 369-374.
	7	Keith H.S. Campbell, Nuclear Equivalence, Nuclear Transfer, and the Cell Cycle, Cloning, Volume 1, Number 1, 1999, pp. 3-15.
		Philippe Collas, et al., Factors Affecting the Efficiency of Nuclear Transplantation in the Rabbit Embryo, Biology of Reproduction, 1990, Vol. 43, pp. 877-884.

Examiner:	Deboral Cre	m d	Date Considered:	9/20	102		
EXAMINER:	Initial if citation considered, v	whether or not citati	on is in conformance	e with MPI	EP §609;	Draw line	through

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

	Document	Date	Country	Class	Sub	Translation
<u> </u>	number				class	Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	Karl Swann, et al., A Novel Signalling Mechanism For Generating Ca ²⁺ Oscillations at Fertilization in
<i>!</i> !	Mammals, BioEssays, 1997, Vol. 19, No. 5, pp. 371-378.
- 	Kenneth L. White, et al., Intracellular Receptors and Agents That Induce Activation in Bovine Oocytes,
	Theriogenology, 1996, Vol. 45, pp. 91-100.
<u> </u>	Jean Pierre Ozil, The Parthenogenetic Development of Rabbit Oocytes After Repetitive Pulsatile Electrical
	Stimulation, Development, 1990, Vol. 109, pp. 117-127.
<u> </u>	J.L. Susko-Parrish, et al., Inhibition of Protein Kinases After An Induced Calcium Transient Causes
	Transition of Bovine Oocytes to Embryonic Cycles Without Meiotic Completion, Developmental Biology, 1994, Vol. 166, pp. 729-739.
	S.M. Mitalipov, Development of Nuclear Transfer and Parthenogenetic Rabbit Embryos Activated With
	Inositol 1,4,5-Trisphosphate, S.M. Mitalipov, et al., 1999, Vol. 60, pp. 821-827.
	Lin Liu, et al., Differential Inactivation of Maturation-Promoting Factor and Mitogen-Activated Protein
	Kinase Following Parthenogenetic Activation of Bovine Oocytes, Biology of Reproduction, 1998, Vol. 59, pp. 537-545.
	X. Yang, et al., Potential of Hypertonic Medium Treatment For Embryo Micromanipulation: I. Survival of
	Rabbit Embryos In Vitro and In Vivo Following Sucrose Treatment, 1990, Vol. 27, pp. 110-117.
	Werner W. Franke, et al., Different Intermediate-Sized Filaments Distinguished By Immunofluorescence Microscopy, October 1978, Vol. 75, No. 10, pp. 5034-5038.
	Werner W. Franke, et al., Widespread Occurrence of Intermediate-Sized Filaments of the Vimentin-Type
	in Cultured Cells From Diverse Vertebrates, Experimental Cell Research 123, 1979, pp. 25-46.
	Andrew C. Boquest, et al., Flow Cytometric Cell Cycle Analysis of Cultured Porcine Fetal Fibroblast Cells,
	Biology of Reproduction, 1999, Vol. 60, pp. 1013-1019.
	R.S. Prather, et al., Cell Cycle Analysis of Cultured Porcine Mammary Cells, Cloning, 1999, Vol. 1,
Ĺ	Number 1, pp. 17-24.
	Jean-Paul Renard, et al., Lymphoid Hypoplasia and Somatic Cloning, The Lancet, May 1, 1999, Vol. 353,
	pp. 1489-1491.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	w	X. Vignon, et al., Development of Bovine Nuclear Transfer Embryos Reconstituted With Quiescent and Proliferative Skin Fibroblasts, Theriogenology, p. 216.
		Teruhiko Wakayama, et al., Cloning of Male Mice From Adult Tail-Tip Cells, Nature Genetics, June 1999, Vol. 22, pp. 127-128.
		David N. Wells, et al., Production of Cloned Calves Following Nuclear Transfer With Cultured Adult Mural Granulosa Cells, Biology of Reproduction, 1999, Vol. 60, pp. 996-1005.
		S.L. Stice, et al., Donor Blastomere Cell Cycle Stage Affects Developmental Competence of Bovine Nuclear Transfer Embryos, Theriogenology, 1993, Vol. 39, p. 318.
		Rabindranath de La Fuente, et al., Developmental Consequences of Karyokinesis Without Cytokinesis During the First Mitotic Cell Cycle of Bovine Parthenotes, Biology of Reproduction, 1998, Vol. 58, pp. 952-962.
		Anneleen Van de Velde, et al., Cell Allocation and Chromosomal Complement of Parthenogenetic and IVF Bovine Embryos, 1999, Vol. 54, pp. 57-62.
		Xiangzhong Yang, et al., Nuclear Transfer in Cattle: Effect of Nuclear Donor Cells, Cytoplast Age, Co-Culture, and Embryo Transfer, 1993, Vol. 35, pp. 29-36.
9		Giorgio A. Presicce, et al., Nuclear Dynamics of Parthenogenesis of Bovine Oocytes Matured in Vitro for 20 and 40 Hours and Activated With Combined Ethanol and Cycloheximide Treatment, 1994, Vol. 37, pp. 61-68.
		Mario R. Capecchi, How Close Are We to Implementing Gene Targeting in Animals Other Than the Mouse?; PNAS, February 1, 2000, Vol. 97, No. 3, pp. 956-957.

Examiner:

Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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